1771-SDN Series C DeviceNet Scanner Module

Cat. No. 1771-SDN/C, Revision 6.007

Purpose

These release notes describe enhancements, corrected anomalies and other important information for this revision and previous revisions of the 1771-SDN DeviceNet™ scanner module.

Use this document with the 1771-SDN DeviceNet Scanner Module User Manual, publication 1771-UM118, available online at www.rockwellautomation.com/literature.

What This Document Describes

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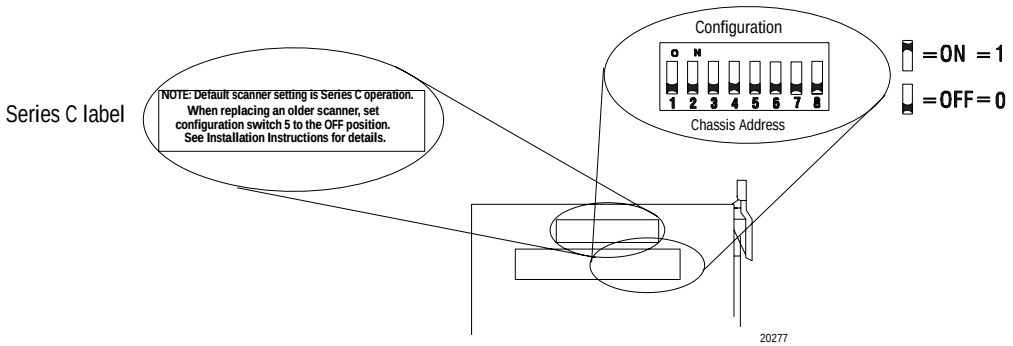
Module Compatibility and Maintenance Requirements

The Series C scanner module is fully compatible with the Series A and Series B versions. You can use the Series C version as a spare or replacement module with one requirement: you must change the position of Switch 5 to the off or 0 position in the Configuration switchbank as shown below:


Series C label
NOTE: Default scanner setting is Series C operation.
When replacing an older scanner, set configuration switch 5 to the OFF position.
See Installation Instructions for details.
Configuration
O N
1 2 3 4 5 6 7 8
Chassis Address
=ON =1
=OFF=0
20277

Electronic Data Sheet Requirement

To use new features, the scanner module may require the latest EDS file for RSNetWorx for DeviceNet™ software. If the software displays the device as an unknown device, you must download the current EDS file. You can get the latest EDS file online at:

http://www.ab.com/networks/eds

Once you are at this location:

1. Select `DeviceNet`
2. Enter the catalog number `1771-SDN`
3. Enter Major Revision `6`
4. Select `Search`

For more information, contact Rockwell Automation Technical Support at 440.646.3223.

Software Requirement

To use the new features of the scanner module, you must use RSNetWorx for DeviceNet, ver. 3.11 or later as your configuration tool.

Revisions 6.007, 6.006 and 6.005

These revisions are for maintenance purposes and contain no enhancements.

Revision 6.004 Enhancement

Quick Connect - this feature enables the scanner module to connect to slave devices in less than one second (previously up to 10 seconds). Slave devices must also have Quick Connect functionality. With this revision, this feature is usable through explicit messaging configuration.

Revision 6.003 Enhancements

This revision of firmware included the following updates to the DeviceNet Master Library:

Electronic Keying - added to include Major and Minor revision checking.

Shared Inputs - this enables multiple scanner modules to acquire inputs from a specific input device without using separate connections.

Auto Device Replacement (ADR) - consists of Node Recovery and Configuration Recovery:

- **Node Recovery -** this feature causes the node number of the replacement device to be automatically changed to the node number of the original device. The replacement device's node number must be writable over the DeviceNet network and must initially be set to 63.
- **Configuration Recovery -** this feature causes the replacement device's configuration to be made identical to the original device. The replacement device's configuration must be writable over the DeviceNet network. Configuration Recovery files are stored in the master scanner that is communicating with the original device through RSNetWorx for DeviceNet.

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